

SEQUENCE LISTING

<110> University of Rochester
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<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL
FOLD ANALYSIS

<130> 176/61751

<140>
<141>

<150> 60/533,894
<151> 2004-01-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1
<211> 960
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Partial gene
sequence of Bacillus anthracis pag gene

<400> 1
atcttcgaac tcaagaaaaa agcgaagtac aagtgttgc cttacgggttc cagaccgtga 60
aagaactttt ctttcaccat ggatttctaa tattcatgaa aagaaaggat taaccaaata 120
taaatcatct cctgaaaaat ggagcacggc ttctgtatccg tacagtgttgc tcgaaaagggt 180
tacaggacgg attgataaga atgtatcacc agaggcaaga caccggcttg tggcagctta 240
tccgatttgc catgtatata tggagaatat tattctctca aaaaatgagg atcaatccac 300
acagaataact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gttaggacaca 360
tactatgttgc gtacatggaa atgcagaatgt gcacatgtcg ttctttgtata ttgggtggag 420
tgttatctgc ggtttttttt attcgaaatc aagtacggc gcaattgtatc attcaatc 480
tctatcgatc gaaagaactt gggctgaaac aatgggttta aataccgtcg atacagcaag 540
attaaatgcc aatatttagat atgtaaatac tgggacggct ccaatctaca acgtgttacc 600
aacacttcg ttagtgttag gaaaaatca aacactcgcg acaattaaag ctaaggaaaa 660
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cgcatatgttgc cacaagacg atttcagttc tactccaatt acaatgtatc acaatgttacc 780
tcttgcgttgc gaaaaatca aacatgttgc attagatgtc gatcaatgtatc atgggtttttt 840
agcaacatatac aattttgc gaaatgttgc aatggatgtc gaggtttttt acaggctcgactggatgttacc 900
agtgttaccg caaattcaag aaacaactgc acgtatcatt tttatgttgc aagatgttacc 960

<210> 2
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BaPag668-706 specific for Bacillus anthracis pag
gene

<400> 2
tttcttcac catggatttc taatattcat gaaaagaaaa 39

<210> 3
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BaPag1208-1241 specific for Bacillus anthracis pag
gene

<400> 3
tcgtagtgt tagaaaaaaa tcaaacactc gcga 34

<210> 4
<211> 350
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Partial
sequence of Staphylococcus aureus genome

<400> 4
gaaatgaatg ttacggaaca aacgatgcaa caaaatcatg ctaatttaga ataaaataaa 60
gatagtgcgt aatatgtatgc ctaggcagaa atattatcgta ttattttttt taaattatag 120
tataatatacata ataataaacg aatagggttg ttaatattgta ttatattttt gattttgttg 180
gtacgttggc agacacgaaa aaatgtgttg acaaagtgcata tttaaagcat gtggcttaac 240
ggaaccatca tctaaagaaa tatgggaata cctattgaag aatcattttt aaaatttagca 300
gaccgaccat agcatttagca aagttaatcg atacatttag acatacatat 350

<210> 5

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
AH2 specific for *Staphylococcus aureus* genome

<400> 5
cgataatatg atgccttaggc agaaaatatta tcg

33

<210> 6
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
BH2 specific for *Staphylococcus aureus* genome

<400> 6
tatcaataat aaacgaatag gggtgttaat attgata

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<210> 7
<211> 39
<212> DNA
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SEQ ID NO: 2

<400> 7
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<210> 8
<211> 34
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Complement of
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<400> 8

agcaatcaca atcctttttt agtttgtag cgct

34

<210> 9
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 5

<400> 9
gctattatac tacggatccg tctttataat agc

33

<210> 10
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Complement of
SEQ ID NO: 6

<400> 10
atagttatta ttgttatac cccacaatata taactat

37

<210> 11
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 11
cgacgttct ttaccatgg atttctaata ttcatgaaaa gaaacgtcg

49

<210> 12
<211> 39
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 12

cgacgttcac catggatttc taatattcat gaaacgtcg

39

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 13

cgacgtcggtt agtgttagga aaaaatcaaa cactcgcgac gtcg

44

<210> 14

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe
with modified stem

<400> 14

cgacgactgt tagaaaaaaa tcaaacactc gtcg

34